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OIL SEAL FOR ROTARY SHAFT

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ABSTRACT

PROBLEM TO BE SOLVED: To prevent deteriorating of the main lip of oil seal used for a rotary shaft , such that only the lower end in the radial direction from the center of the shaft , is dipped into oil.

SOLUTION: An oil-guiding segment for preventing oil scatter is formed integrating with the oil seal in order to make an annular groove for oil collection, together with an oil face portion of the main lip , on the oil room side of the main lip top above of the oil seal. The oil guiding segment for preventing oil splash is set being out of contact with the rotary shaft , and the diametrical section forming a gradual arc, as it approaches the oil room with the diameter reduced gradually, which results in the annular groove for oil collection.

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